

ABSTRACT

A steel tube having a composition which contains: 0.05 to 0.30 % of C; 1.8 to 4.0 % of Mn; Si; and Al is subjected to a diameter-reducing rolling process in which the total diameter-reduction rate is no less than 20 % and the temperature at which the diameter-reducing rolling process is finished is no higher than 800 °C, whereby a structure constituted of martensite and/or bainite or further of ferrite is obtained as a transformation product from the deformed γ . As a result, a steel tube having tensile strength of 1000 MPa or more and excellent three-point-bending property can be obtained. The composition of the steel tube of the present invention may further include at least one type of element selected from the group consisting of Cu, Ni, Cr and Mo, or at least one type of element selected from the group consisting of Nb, V, Ti and B, or at least of one type selected from the group consisting of REM and Ca.